## Perspectives and Practices of Middle Managers of Their Competencies: Basis for a Sustainable Competency Building Program

Joseph T. Moraca, Eulogio "Amang" Rodriguez Institute of Science and Technology, Philippines

#### The Asian Conference on Education 2023 Official Conference Proceedings

#### Abstract

The recurring theme of higher educational institutions in the Philippines is to compete in a competitive global and international market of higher education. To accord with the challenges and demands in higher educational institutions, the role of middle managers is deemed important. This study aimed to determine the relationship between the perspectives and practices of middle managers' competencies. The total population sampling and stratified sampling methods were employed in the selection of middle managers and subordinates as respondents and participants in this study. In this study integration of Quan-Qual results was made through the use of the joint display method, a researcher made questionnaire was developed and a Convergent Parallel model was utilized. The results provided insights to develop a sustainable competency-building program for middle managers in higher educational institutions.

Keywords: Middle Managers, Perspectives, Practices, Competencies, Higher Education



## 1. Introduction

Management is about ideas, people and resources. It is about making the best of the resources one has and maximizing staff potential, equipment, time, money and space. The organization in the academe consists of three levels of managers; these are top managers, middle managers, and first line managers and non-management who work together aimed towards the achievement of a goal.

Middle management is a vital position with a distinctive role. They are entrusted with important work that no one else can do. They think about the bigger picture and work in accordance to achieve optimal productivity. However, not all middle managers possess all the aforementioned capabilities, perspectives and practices to effectively carry out their responsibilities in the organizations they belong to because of lack of experience in decision-making as well as in planning and organization. In view of the aforementioned, many of the said ideas about the problems of academic middle managers' that is highly emphasized on the significance of middle managers' managerial competencies, abilities, leadership, management role and responsibilities and leadership training programs which are meant to help middle managers' address their professional shortcomings and concerns.

This study is premised on Management Competency Theory of Silva (2016) about competencies in management. According to Silva (2016) one must look ahead on the impact it may take on the organization while various aspects of management and leadership behaviour termed competencies in organization are contemporarily needed to bring optimum work performance. Guided by the theory, the researcher sensed the necessity to look into the competencies and relation practices of the middle managers in the academe. It explains that to make a standard work, it is important to possess the right skills and performance of middle managers that align with the organization's strategic direction, provide an impact and affect everyone in the organization. It helps the organization achieve good results and maintain its desired culture. The executive or top managers must understand how they will contribute to the organization's strategic positions and goals of what is expected from the middle managers, and how they are doing as it focuses on the growth and development of both organization and their subordinate.

The Independent Variable-Dependent Variable model was used as the conceptual framework of this study. The IV-DV model was deemed suitable for the purpose of the study since it aims to determine the relationship between the perspectives and practices of middle managers' competencies. The study considered also the Intervening Variables which consists the demographic criteria of the respondents such as age, sex, academic rank, designation/appointed position, number of years of teaching experience and highest educational attainment. The results would be the basis to undertake a development process which requires an analysis of the organization's needs as well as the design and development of a sustainable competency-building program to address the identified needs.



**Dependent Variable** 

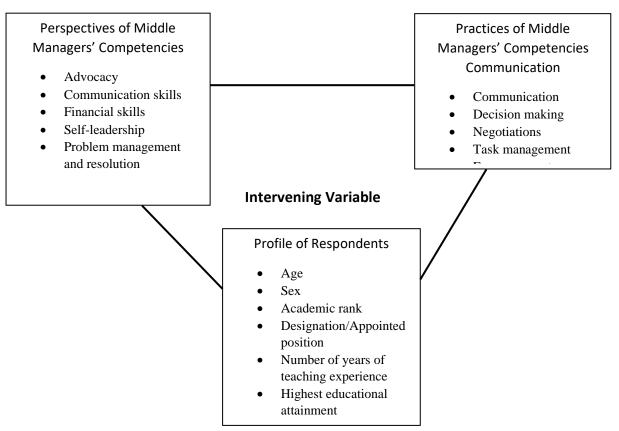


Figure 1: The Conceptual Model of the Study

The main concern of the study was to determine the relationship between the perspectives and practices of middle manager's competencies. In particular, the first statement of the problem is (1) What is the profile of the middle managers' based on the following criteria: Age; Sex; Academic Rank; Designated position; Number of years of teaching experience; and Educational qualification? (2) How may the perspectives of middle managers' and their subordinate on their competencies be determined in terms of the following domains such as: 1) advocacy; 2) communication skills; 3) financial skills; 4) self-leadership; and 5) problem management and resolution? (3) What are the practices of the middle managers' competencies in terms of the following indicators: 1) communication; 2) decision making; 3) negotiations; 4) task management; and 5) empowerment? (4) Is there a significant difference between the perspectives and practices of the middle managers' competencies? and (5) What are the perspectives on their competencies as extracted from focus group discussions in terms of the following domain: 1) advocacy; 2) communication skills; 4) self-leadership; and 5) problem management and resolution?

# 2. Method

The Convergent Parallel model, a mixed method in triangulation design was utilized for this study. A convergent parallel design entails that the researcher concurrently conducts the quantitative and qualitative in the same phase of the research process. This design includes quantitative and qualitative research design in order to expand and strengthen the findings and conclusion of the researcher about middle manager's perspective and practices of their competencies. Furthermore, this convergence mixed method research involves collecting and

analyzing quantitative and qualitative data separately on the same phenomenon and then the different results are converged by means of comparing and contrasting during the interpretation. The researcher of this study want to validate and confirm quantitative results with qualitative findings on perspectives and practices of middle managers' of their managerial competencies of state universities and colleges because the researcher will rely on the quality of data gathered in preparing a sustainable competency-building program for middle managers' that will be used by the different HEIs to mentor and guide middle managers in preparation to become leader in the academe or be part of the executive officials of their respective institution.

Because of the nature of the study involved, total population sampling and stratified sampling methods were employed in the selection of middle managers and subordinates as respondents and participants in this study. Respondents will be identified during the pre-survey conducted by the researcher. Pre-survey was conducted in order to determine the number of middle managers' and subordinates as target participants/respondents of this study. The basis of selection criteria for respondents and participants has been identified by the researcher through the survey of the different CHED Memorandum Order for Policies, Standards and Guidelines of the program/ unit.

Table 1: Respondents of the Study				
State Universities and Colleges	Middle Managers'		Subordinate	
	Total	Sample	Total	Sample
	Population		Population	
SUCs A.	42	42	210	81
SUCs B.	10	9	51	10
SUCs C.	10	10	49	10
SUCs D.	33	31	165	66
Total	95	92	475	167

The data-gathering procedure of this study will be conducted with utmost consideration to the privacy of the respondents. Permission to conduct the study in the SUCs will be sought through written correspondence with the university administrators. As for the respondents/participants, their participation will be oriented about the study and their consent sought before they take part in it. They will be asked to sign a written consent before they participate in the survey, interview and focus group discussion. In order to ensure the confidentiality and liabilities of the participants and respondents to this study, the following steps will be observed: (1) any information collected from you during your participation in this survey will be anonymous. You will not be identified as no name/s are required for participation in this study, and all identifying information will be de-identified in the recording and interpretation process. The data and information collected will only be accessed by the researcher. (2) Participation in this study is on a voluntary basis, even if you decided to participate in the survey, you may withdraw anytime. No adverse action will be taken against you for withdrawing your participation as respondents. Any information that you may not wish to reveal will be highly observed by the researcher. If you wish to terminate your participation in this study, please inform the researcher immediately, so that your responses can be separated and destroyed right at that point. During the data gathering, the respondents/participants are given the prerogative to refrain from answering questions

and their request for this will be granted and respected. All the data that will be gathered from the informants will be treated with the utmost confidentiality. Furthermore, the researcher will ensure the protection of the participants' identities and rights in accordance with the Data Privacy Act of 2012.

# 3. Results and Discussion

# **3.1. Statement of the Problem 1**

More than half of the respondents were 40 - 49 years old; almost two-thirds are male respondents. And the academics ranks of the respondents were almost equally distributed from instructors, assistant professor to Associate Professor. Almost all of the respondents handling the position of department/program chair. Furthermore, more than half of the respondents have been teaching for more than ten (10) years.

# **3.2. Statement of the Problem 2**

On the perspectives of the middle managers and their subordinates on the competencies of the former have the highest level of agreement in each of the domains:

- In terms of ADVOCACY The middle managers advocate on behalf of individuals and support networks to address their needs, expectations and priorities.
- In terms of COMMUNICATION SKILLS In giving feedback, the middle managers foster self-improvement and constructive criticism rather than defensiveness or anger.
- In terms of FINANCIAL SKILLS The middle managers listen openly and attentively to others when they share ideas about financial parameters.
- In terms of SELF-LEADERSHIP The middle manager fulfills his/her responsibilities and commitments and demonstrates professionalism and responsibility, and
- In terms of PROBLEM MANAGEMENT AND RESOLUTION The middle manager practices proactiveness in both opportunities and problems.

# **3.3. Statement of the Problem 3**

The following competencies of the middle managers have the highest level of practice in the following indicators:

- In terms of COMMUNICATION the middle managers communicate effectively at all levels of university/college management.
- In terms of DECISION MAKING, the middle managers exercise flexibility.
- In terms of NEGOTIATIONS, the middle managers design programs with stakeholders to address the need of the institution.
- In terms of TASK MANAGEMENT, the middle managers have values and respect the contribution of all members to meeting the needs of the individual in the department/unit.
- In terms of EMPOWERMENT, the middle managers disseminate regular updates on different in-service training programs available for members of the academic community.

# **3.4. Statement of the Problem 4**

The post analyses on the test of the relationship between the middle managers' perspectives and practices, the study found out that there is a significant relationship between advocacy and the communication practices of middle managers. Also between communication skills and each of the managerial practices such as communication, decision making, negotiations, task management, and empowerment. Also between financial skills and communication practices.

On the other hand, there is no significant relationship between self-leadership and each of the managerial practices such as communication, decision making, negotiations, task management, and empowerment among the middle managers.

## **3.5. Statement of the Problem 5**

During the focus group discussions, the following were observed: From the responses of the participants of focus group discussion, quality accomplishment and activities of empowerment was the theme developed for advocacy. For communication skills openness and fairness and activities of giving periodic feedback as theme developed from the responses of the participants. It can be also deduced from the data that only the middle manager has a direct involvement on financial skills domain and the subordinates have no participation. Likewise, the data construe that middle manager prepares the annual budget plan to meet the department/unit objectives and targets. Also, professionalism and authority with respect are the theme developed from the responses of participants. The middle manager addresses complaints especially on faculty loading as commonly faced by his/her unit.

## 4. Conclusion

Based on the significant findings of the study, the following were concluded:

- 1. Majority or most of the middle manager respondents were 40 49 years old, male, with the academic rank of Instructor handling the position of Department/Program Chair, and have been teaching for more than ten years.
- 2. The respondents agree on the middle managers' competencies in terms of communication skills and self-leadership, but they slightly agree in terms of advocacy, financial skills, and problem management and resolution competencies.
- 3. The middle managers assessed themselves that they moderately practiced the following competencies such as communication, decision-making, negotiation, task management, and empowerment.
- 4. It was found that the middle managers had the same views and assessments on their perspectives and practices when grouped according to the number of years in teaching experience, while the rest of the profile had shown significantly different.
- 5. It was found that the advocacy, communications skills, and financial skills of the middle managers were related with their managerial practices.
- 6. From the focus group discussion of middle managers and subordinates, the participants developed themes about on the perspectives of middle managers of their competencies. Middle managers produce quality accomplishment and exhibit good leadership through openness and fairness. It also enumerates the activities of middle managers in terms of empowerment and giving feedback of their performance. Furthermore, the focus group discussion also mentioned the common problems in the department are frequent complaint against the subordinates and uneven distribution of faculty loading.
- 7. The developed sustainable competency-building program for middle managers serve as a guide and template to conduct seminar and training for the middle managers and faculty to enhance their competencies on school governance and management.
- 8. This study is anchored on Management Competency Theory of Silva (2014) about competencies in management. The Management Competency Theory of Silva (2014)

states that in order "to provide standard work, it is necessary to possess the right skills and knowledge of the ground rules of the task at hand. Likewise, integrity and commitment and a sense of responsibility are essential for managers that this might help improve employee's performance in attaining all the outstanding goals" Based from the findings of the study middle managers' perspectives of their competencies agree in terms of communication skills and self-leadership, but they slightly agree in terms of advocacy, financial skills, and problem management and resolution competencies. Furthermore, the middle managers assessed themselves that they moderately practiced the following competencies such as communication, decisionmaking, negotiation, task management, and empowerment, these assessment is further supported by the findings of the focus group discussion. The theory of Management Competency Theory of Silva (2014) is proven by this present study that the communication skills, self-leadership, advocacy, financial skills, problem management and resolution, communication, decision-making, negotiation, task management, and empowerment are the right skills of the middle managers to attain the target goals of the institution.

## References

- Aboudahr, S. M., & Mohamad, M. (2021). Investigation of the role of organizational climate in enhancing quality management practices of higher education. Journal of Southwest Jiaotong University, 56(2), 638-651. https://doi.org/10.35741/issn.0258-2724.56.2.51
- Agasisti, T. (2017). Management of higher education institutions and the evaluation of their efficiency and performance. Tertiary Education and Management, 23(3), 187-190. https://doi.org/10.1080/13583883.2017.1336250
- Ahearne, M., Lam, S. K., & Kraus, F. (2013). Performance impact of middle managers' adaptive strategy implementation: The role of social capital. Strategic Management Journal, 35(1), 68–87. doi:10.1002/
- Ali Thawabieh, D. F., & Saleem, M. (2016). Organizational creativity and competitive advantage: A GCC perspective. International Journal of Economics & Management Sciences, 5(4), 3939-3947. https://doi.org/10.4172/2162-6359.1000355
- Altunay, E. (2016). The effect of training with TQM on the perceptions of teachers about the quality of schools. Universal Journal of Educational Research, 4(9), 2126 2133. https://doi.org/10.13189/ujer.2016.040925
- Arquisola, M.J., Zutshi, A., Rentschler, R. and Billsberry, J. (2020). "Academic leaders' double bind:challenges from an Indonesian perspective", International Journal of Educational Management, Vol. 34 No. 2, pp. 397-416. https://doi.org/10.1108/IJEM-10-2018-0328
- Bannerman-Wood, E. (2019). Stakeholders' perceptions of the work of non-academic middle managers in two universities in Ghana [Unpublished doctoral dissertation]. Newcastle University.
- Barnett, W. P., & Burgelman, R. A. (1996). Evolutionary perspectives on strategy. Strategic Management Journal, 17: 5-19.
- Bartlett, C. A., & Ghoshal, S. 1993. Beyond the M-form: Toward a managerial theory of the firm. StrategicManagement Journal, 14: 23-46.Beatty, C. A., & Lee, G. L. 1992. Leadership among middle managers: An exploration in the context of technological change. Human Relations, 45(9): 657-990.
- Bissessar, C. (2017). Leadership challenges confronting middle managers at a secondary school in Trinidad. Advances in Educational Marketing, Administration, and Leadership, 1-23. https://doi.org/10.4018/978-1-5225-1700-9.ch001
- Branson, C. M., Franken, M., & Penney, D. (2015). Middle leadership in higher education. Educational Management Administration & Leadership, 44(1), 128-145. https://doi.org/10.1177/1741143214558575
- Bravo-Java, M. (2021). Total quality management in instruction and teaching effectiveness. Budapest International Research and Critics in Linguistics and Education (BirLE) Journal, 4(3), 1104-1117. DOI: https://doi.org/10.33258/birle.v4i3.2405

- Cabacang, G. S. (2021). Quality is never an accident: A survey on the total qualitymanagement practices amongst selected higher education institutions in the Philippines. International Journal of Learning, Teaching and Educational Research, 20(10), 23-41. https://doi.org/10.26803/ijlter.20.10.2
- Celestino, J., (2017). Teacher competencies and commitment level of public secondary school. EARIST: Manila.
- Chilvers, B. L., Bortolotto, M. C., Alefaio-Tugia, S., Cooper, A. L., & Ellison, S. (2018). The reality of 'middle' management roles: A case study of the associate head of school experience in a New Zealand University. Journal of Higher Education Policy and Management, 40(5), 430-441. https://doi.org/10.1080/1360080x.2018.1501636
- Chongwony, L., Gardner, J. L., & Tope, A. (2020). Instructional design leadership and management competencies: Job description analysis. Online Journal of Distance Learning Administration, 23(1).
- Corbett, S. (2020). Establishing professional expectations in further education middle management: The human resource manager's perspective. Educational Management Administration & Leadership. https://doi.org/10.1177/1741143220957328
- Creaton, J., & Heard-Lauréote, K. (2019). Rhetoric and reality in middle management: The role of heads of academic departments in UK universities. *Higher Education Policy*, *34*(1), 195-217. https://doi.org/10.1057/s41307-018-00128-8
- Creswell, J.W. (2011). Controversies in mixed methods research. In N. Denzin & Y. Lincoln (Eds.) THE SAGE handbook on qualitative research (4<sup>th</sup> ed., p. 269-284). Thousand Oaks, CA: Sage.
- Creswell, J.W. (2013). Qualitative inquiry and research design: Choosing among five approaches (3<sup>rd</sup> ed.). Thousand Oaks, CA: Sage.
- Creswell, J.W., (2014). Research design qualitative, quantitative and mixed methods approaches. Thousand Oaks, CA: Sage.
- Creswell, J.W., & Plano Clark, V.L. (2011). Designing and conducting mixed methods research (2<sup>nd</sup> ed.). Thousand Oaks, CA: Sage.
- Crosthwaite, C., & Erwee, R. (2014, October). Managerial leadership competencies of heads of department in higher education institutions in Kerala, India [Paper presentation]. Fourth International conference on Engaged Management Scholarship, Tulsa, Oklahoma.
- Cruz et. al. (2016). Towards enhancing the managerial performance of the school heads. PNU Siyasik, 1, p.26-32.
- Cunningham, E. (2017). *Leadership practices of middle managers in selected secondary schools in Jamaica* [Unpublished doctoral dissertation]. Temple University.

- De Gula, C., (2017). The managerial competencies and communication startegies of public secondary school heads in the division of Valenzuela: Basis for a development model. Manila:EARIST.
- De Guzman, J., (2021). The managerial competencies and human relation practices of public schools principlas in the division of mandaluyong city: Basis for an executive training program. Manila: EARIST.
- Dopson, S., Ferlie, E., McGivern, G., Fischer, M. D., Mitra, M., Ledger, J., & Behrens, S. (2018). Leadership development in Higher Education: A literature review and implications for programme redesign. Higher Education Quarterly, 73(2), 218-234. https://doi.org/10.1111/hequ.12194
- Doty, N. (2017). Caught in the Middle: Empowerment in Middle Managers. Unpublished manuscript, Kansas State University.
- Dzimińska, M., Fijałkowska, J., & Sułkowski, Ł. (2018). Trust-based quality culture conceptual model for higher education institutions. Sustainability, 10(8), 2599. https://doi.org/10.3390/su10082599
- Floyd, S. W., & Wooldridge, B. (1996). The strategic middle manager: How to create and sustain competitive advan-tage. San Francisco: Jossey-Bass.
- Floyd, S. W., & Wooldridge, B. (1997). Middle management's strategic influence and organizational performance. Journal of Management Studies, 34: 465-485.
- Frisk, S., Apelgren, B., & Sandoff, M. (2021). Leadership for teaching and learning: Exploring a department-level educational leadership role at a Swedish comprehensive university. Educational Management Administration & Leadership, 174114322110518. https://doi.org/10.1177/17411432211051882
- Galvez, S.M., (2018). "Inside-Out Leadership" towards developing efficacious leaders among academic deans in state universities and colleges. Attribution license, 1, 28-31.
- Gear, R. C., & Sood, K. K. (2021). School middle leaders and change management: Do they need to be more on the "Balcony" than the dance floor? *Education Sciences*, 11(11), 753. https://doi.org/10.3390/educsci11110753
- Gjerde, S., & Alvesson, M. (2019). Sandwiched: Exploring role and identity of middle managers in the genuine middle. *Human Relations*, 73(1), 124-151. https://doi.org/10.1177/0018726718823243
- Guest, G., Mac Queen, K.M., & Nomey,, E.E. (2012). Applied thematic analysis. Thousand Oaks, CA: sage.
- Gulden, M., Saltanat, K., Raigul, D., Dauren, T., & Assel, A. (2020). Quality management of higher education: Innovation approach from perspectives of institutionalism. An exploratory literature review. Cogent Business & Management, 7(1), 1749217. https://doi.org/10.1080/23311975.2020.1749217

- Hamidifar, F., Yusoff, K., & Ebrahimi, M. (2017). Leadership and management profiles for the internationalization of Iranian higher education. UMRAN - International Journal of Islamic and Civilizational Studies, 4(11). https://doi.org/10.11113/umran2017.4n1-1.204
- Harvard Professional Development. (2021, March 7). L&D for middle managers: Finding the right programs. Professional Development Harvard DCE. https://professional.dce.harvard.edu/blog/ld-for-middle-managers-finding-the-right-programs/
- Inman, M. (2007). The journey to leadership, a study of how leader-academics in higher education learn to lead [Unpublished doctoral dissertation]. University of Birmingham.
- Irvine, P. A., & Brundrett, M. (2017). Negotiating the next step: The part that experience plays with middle leaders' development as they move into their new role. *Educational Management Administration & Leadership*, 47(1), 7490. https://doi.org/10.1177/1741143217720457
- Isoli, G., (2010). Managerial skills and styles of school heads of the public elementary schools in Mexico south district division of Pampanga. Bacolor, Pampanga: DHVCAT.
- Jaoua, F. (2018). Impact of strategic roles of middle managers on the relationship between successful strategy implementation and organisational performance. International Journal of Business Performance Management, 19(4), 1. https://doi.org/10.1504/ijbpm.2018.10010169
- Jaser, Z. (2021, June 7). The real value of middle managers. Harvard Business Review. https://hbr.org/2021/06/the-real-value-of-middle-managers
- Johansen, M., & Hawes, D. P. (2016). The effect of the tasks middle managers perform on organizational performance. Public Administration Quarterly, 4(3), 589-616.
- Kallenberg, T. (2015). Academic middle managers shaping the landscape between policy and practice. Diversity and Excellence in Higher Education, 201-216. https://doi.org/10.1007/978-94-6300-172-4\_11
- Kantamasa, S., Ketmunib, M., & Chaloeyprach, W. (2021). Factors affecting effectiveness of the operation in the internal quality assurance for Rajamanagala University of Technology Thanyaburi. Turkish Journal of Computer and Mathematics Education, 12(8), 2141-2146. https://doi.org/10.17762/turcomat.v12i8.3448
- Kenyi, L. (2022). Middle-level management functions and university policies implementation in University of Juba, South Sudan. 2022 JETIR, 9(3).
- Kezar, A. J., & Holcombe, E. M. (2017). Shared leadership in higher education: A framework and models for responding to a changing world. American Council on Education.
- Kiel, D. H. (2015). Creating a faculty leadership development program. Higher Ed Impact.

- Kirkman, H. (2020). Cultivating leaders: Professional development needs of community college chairs [Unpublished doctoral dissertation]. University of England.
- Lacerenza, C. N., Reyes, D. L., Marlow, S. L., Joseph, D. L., & Salas, E. (2017). Leadership training design, delivery, and implementation: A meta-analysis. Journal of Applied Psychology, 102(12), 1686-1718. http://dx.doi.org/10.1037/apl0000241
- Lee, S., & Teece, D. J. (2013). The functions of middle and top management in the dynamic capabilities framework. Kindai Management Review, 1, 28-40.
- Lloyd, C. L. (2018). The role of middle managers in land-based further education [Unpublished doctoral dissertation]. University College London.
- Manubag, J., (2016). Educational leadership practices of secondary school heads and teachers performance in the division of pasig city: Basis for an executive training program. Manila: EARIST.
- Matorera, D. (2018). Quality management systems in education. Quality Management Systems - a Selective Presentation of Case-studies Showcasing Its Evolution. https://doi.org/10.5772/intechopen.71431
- Meraku, A. (2017). Role of leadership in organizational effectiveness. Journal of Economics, Business and Management, 5(11), 336-340. https://doi.org/10.18178/joebm.2017.5.11.535
- Mojar, A. S., & Depositario, D. T. (2020). An exploratory study on the managerial competencies of first-Line managers in a Philippine university. Journal of Economics, Management & Agricultural Development, 6(2), 17-34.
- Mughal, M. S. (2019). Conceptual models for developmental needs of academic middle managers in higher education institutions [Unpublished doctoral dissertation]. Liverpool John Moores University.
- Reyes, G. V. (2014). Management and leadership performance of academic middle managers and the attainment of their trilogic functions: An input to an enhancement program. Asia Pacific Journal of Multidisciplinary Research, 7(3), 1-5.
- Rudhumbu, N., & Maphosa, C. (2015). Academic middle managers' perceptions of their role in the planning of curriculum change in private higher education institutions in Botswana. Journal of Social Sciences, 45(3), 182-189. https://doi.org/10.1080/09718923.2015.11893500
- Sa, C. (2021, October 8). Now more than ever, universities need effective management to further their academic mission University affairs. University Affairs. https://www.universityaffairs.ca/opinion/policy-and-practice/now-more-than-ever-universities-need-effective-management-to-further-their-academic-mission/
- Sohel-Uz-Zaman, A. S., & Anjalin, U. (2016). Implementing total quality management in education: Compatibility and challenges. Open Journal of Social Sciences, 04(11), 207-217. https://doi.org/10.4236/jss.2016.411017

- Tarí, J. J., & Dick, G. (2016). Trends in quality management research in higher education institutions. Journal of Service Theory and Practice, 26(3). https://doi.org/10.1108/jstp-10-2014-0230
- Wenceslao, A., Misa, J. & Tugonon, I. (2015). Leadership capabilities, management competence and performance of elementary public school administrator's Ormoc city. EARIST.
- Wolstencroft, P., & Lloyd, C. (2019). Process to practice: The evolving role of the academic middle manager in English further education colleges. *Management in Education*, 33(3), 118-125. https://doi.org/10.1177/0892020619840074
- Yidana, M. B., & Aboagye, G. K. (2018). Management of curriculum change: A mechanism for ensuring continuous academic improvement in Ghanaian universities. International Journal for Innovation Education and Research, 6(2), 41-60. https://doi.org/10.31686/ijier.vol6.iss2.941
- Živčicová, E., & Gullerová, M. (2017, March). *Evaluation of managerial competences through self-reflection* [Paper presentation]. CBU International Conference on Innovations in Science and Education, Prague, Czech Republic.